SEQUENCE LISTING

<110> Brenneman, Douglas E.
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Gozes, Illana
Bassan, Merav
Zamostiano, Rachel

<120> Prevention of Fetal Alcohol Syndrome and Neuronal Cell Death With ADNF Polypeptides

<130> 015280-377100US

<140> US 09/936,888
<141> 2002-09-03

<150> US 09/267,511
<151> 1999-03-12

<150> WO PCT/US00/06364
<151> 2000-03-10

<160> 26

<170> PatentIn Ver. 2.1

<210> 1
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<220>
<223> Description of Artificial Sequence:activity dependent neurotrophic factor I (ADNF I) active site

<400> 1
Ser Ala Leu Leu Arg Ser Ile Pro Ala
1 5

<210> 2
<211> 8
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<400> 2
Asn Ala Pro Val Ser Ile Pro Gln
1 5

<210> 3
<211> 89
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF I
polypeptide

<220>
<221> MOD_RES
<222> (1)..(40)
<223> Xaa = any amino acid, Xaa at positions 1-40 may be
present or absent

<220>
<221> MOD_RES
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<223> Xaa = any amino acid, Xaa at positions 50-89 may
be present or absent

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1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Ala Leu Leu Arg Ser Ile Pro
35 40 45

Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
65 70 75 80

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<210> 4
<211> 88
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF I
polypeptide

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present or absent

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be present or absent

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1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Ala Pro Val Ser Ile Pro Gln
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
65 70 75 80

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
85

<210> 5
<211> 5
<212> PRT
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<220>
<223> Description of Artificial Sequence:1-R or 2-R in ADNF I polypeptide formula

<400> 5
Val Leu Gly Gly Gly
1 5

<210> 6
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:1-R in ADNF I polypeptide formula

<400> 6
Val Glu Glu Gly Ile Val Leu Gly Gly Gly
1 5 10

<210> 7
<211> 5
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:3-R or 4-R in ADNF III polypeptide formula

<400> 7
Leu Gly Leu Gly Gly
1 5

<210> 8
<211> 8
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:3-R in ADNF III polypeptide formula

<400> 8
Ser Val Arg Leu Gly Leu Gly Gly
1 5

<210> 9
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:2-R in ADNF I polypeptide formula

<400> 9
Val Leu Gly Gly
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<210> 10
<211> 5
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<400> 10
Val Leu Gly Gly Val
1 5

<210> 11
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<220>
<223> Description of Artificial Sequence:2-R in ADNF I polypeptide formula

<400> 11
Gly Val Leu Gly Gly
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<210> 12
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<220>
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polypeptide formula

<400> 12
Leu Gly Leu Gly
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<210> 13
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:4-R in ADNF III
polypeptide formula

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<210> 14
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF I
polypeptide

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Gly Gly Gly

<210> 15
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<212> PRT
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Gly Gly

<210> 16
<211> 19
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polypeptide

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Gly Gly Val

<210> 17
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF I
polypeptide

<400> 17
Val Leu Gly Gly Gly Ser Ala Leu Leu Arg Ser Ile Pro Ala Gly Val
1 5 10 15

Leu Gly Gly

<210> 18
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF III
polypeptide

<400> 18
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Gly Gly

<210> 19
<211> 17
<212> PRT
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<220>
<223> Description of Artificial Sequence:ADNF III
polypeptide

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Leu Gly Leu Gly Gly Asn Ala Pro Val Ser Ile Pro Gln Leu Gly Leu
1 5 10 15

Gly

<210> 20
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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Gly Leu

<210> 21
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF I
polypeptide

<400> 21
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<210> 22
<211> 19
<212> PRT
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<220>
<223> Description of Artificial Sequence:ADNF I
polypeptide

<400> 22
Val Glu Glu Gly Ile Val Leu Gly Gly Gly Ser Ala Leu Leu Arg Ser
1 5 10 15

Ile Pro Ala

<210> 23
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF III
polypeptide

<400> 23
Gly Gly Asn Ala Pro Val Ser Ile Pro Gln
1 5 10

<210> 24
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF III
polypeptide

<400> 24
Leu Gly Gly Asn Ala Pro Val Ser Ile Pro Gln Gln Ser
1 5 10

<210> 25
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF III
polypeptide

<400> 25
Leu Gly Leu Gly Gly Asn Ala Pro Val Ser Ile Pro Gln Gln Ser
1 5 10 15

<210> 26
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ADNF III
polypeptide

<400> 26
Ser Val Arg Leu Gly Leu Gly Gly Asn Ala Pro Val Ser Ile Pro Gln
1 5 10 15

Gln Ser